Git Productivity

yolo

```
alias yolo="git push origin HEAD -f --no-verify"
```

Checkout previous branch

```
git checkout -
```

Show diff while writing commit message

```
git commit -v
```

Interactively add changes

```
git add -p
```

-p operates on tracked files. To track a file and not add the contents use -N

```
git add . -N spec/spec_helper.rb
git add -p spec/spec_helper.rb
```

Remove all untracked files and folders

```
git clean -df
```

Diff 2 objects

git diff sha1..sha2
git diff branch1..branch2 (use 3 dots to diff from the common parent)

Diff the staging area

```
git diff --cached
```

Undo last commit without losing change

```
git reset --soft HEAD~1
```

Searching a repo

```
git grep keyboard
```

```
source/episodes/44.html.markdown:22:Justin tries really hard to make a good recursion pun, but gets stuck in a loop. Also,
 keyboards!
source/episodes/44.html.markdown:29:* [Everyone deserves a good keyboard](http://www.reddit.com/r/keyboards)
source/episodes/44.html.markdown:31:* [Keyboard.io](http://www.keyboard.io/)
source/stylesheets/normalize.css.sass:82: * people.opera.com/patrickl/experiments/keyboard/test
```

Searching through the log

```
git log -p -S keyboard
```

Git autocorrect

```
git config --global help.autocorrect 10
```

Deleting a branch

< 1.7.0

```
git push origin :branchname
```

>= 1.7.0

```
git push origin --delete branchname
```

Git checkout with pick

- pick

`git checkout $(git branch | pick)`

Hub command line utility

hub

- install hub

- alias hub to git

Examples of hub

```
git clone rails/rails
git pull-request
git browse --issues
```

Subway map

```
git log --graph \
--pretty=format:'%Cred%h%Creset -%C(yellow)%d%Creset %s %Cgreen(%cr) %C(bold cyan)<%an>%Creset'\
--abbrev-commit --date=relative
```

```
*   bffb071 - (HEAD -> master, origin/master, origin/HEAD) Merge pull request #127 from turing-incomplete/episode49 (2 wee
ks ago) <Justin Campbell>
|\
| * 471fc6d - Fix date (2 weeks ago) <Justin Campbell>
| * a87e1fc - Add tags and summary (2 weeks ago) <Justin Campbell>
| * e4d2761 - Format shownotes and add titles (2 weeks ago) <Justin Campbell>
| * de9e5eb - Format and add titles for picks (2 weeks ago) <Justin Campbell>
| * a68c453 - Fix mp3 url (2 weeks ago) <Justin Campbell>
| * 6aa2006 - Episode 49 (from Etherpad.) (2 weeks ago) <Len Smith>
|/
*   0d174f4 - Merge pull request #126 from lolindrath/podcast-content-with-picks (3 weeks ago) <Jearvon Dharrie>
|\
| * 2a8108e - (podcast-content-with-picks) Add Picks to podcast feed (3 weeks ago) <Andy Williams>
|/
* 9e1a8a5 - Fix typo (4 weeks ago) <Justin Campbell>
*   98ab38c - Merge pull request #125 from turing-incomplete/episode48 (4 weeks ago) <Justin Campbell>
|\
| * 47bc9f5 - 48: Update title, add desc + tags (4 weeks ago) <Justin Campbell>
| * 8dcc670 - added the wire link (4 weeks ago) <Len Smith>
| * f04234b - episode 48 (4 weeks ago) <Len Smith>
* | ed552ed - Add more tags (5 weeks ago) <Justin Campbell>
* |   196f926 - Merge pull request #122 from turing-incomplete/e48 (5 weeks ago) <Len Smith>
|\ \
| |/
|/|
| * 2bfbb2b - (origin/e48) new title for e47 (5 weeks ago) <Len Smith>
| * 6dd051c - new mp3 data for e47 (5 weeks ago) <Len Smith>
```

Jump to git root

```
cd `git rev-parse --show-cdup || pwd`
```